

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B09202024-1	
Date: 9/20/2024		Inspected By: L Christensen		Category: Office - Bridge Office	
BRIDGE INFORMATION					
Site:		1-155 - BROAD COVE BROOK BRIDGE NO. 1 - R			
SUBSTRUCTURE					
Condition:	P1 - Poor	Bearings:	U - Uninspectable		
		Bearing Seat:	U - Uninspectable		
Comments:	Similar condition to 2023 inspection. Extreme scour under east abutment. Abutment seems to be resting on bedrock at either side of the deep scour, with a vertical crack in abutment above scour area. Minor scour on east abutment. Exposed bearing seat at ends has minor concrete deterioration. Exterior corners of both abutments and 3/4 wing walls have large areas of scaling exposing river rocks in concrete.				
SUPERSTRUCTURE					
Condition:	P1 - Poor	Expansion Joints:	I - Inapplicable		
Comments:	Similar condition to 2023 inspection. Exterior soffit on both sides has severe concrete deterioration exposing reinforcement and hand rail J-bars. Interior deck soffit in F1 condition. Interior beams in F1 condition, exterior beam in P1/P3 condition. Large longitudinal cracking and exposed reinforcement on both exterior beams.				
DECK					
Condition:	P1 - Poor	Curbs:	I - Inapplicable		
Hand Rail:	P1 - Poor	Roadway Condition:	P3 - Poor		
Approach Rail:	P1 - Poor				
Comments:	Hand rail and approach rails in poor condition and have very limited impact force resistance. Rot in approach rail posts and some custom rail material used between approach rail and hand rail. Two potholes in the road are most likely from erosion undermining of road. Monitoring required for additional erosion undermining. Downstream side of road on west side has severe erosion next to the roadway with a large hole that is undermining the outside of the roadway. This causes a safety concern.				
HYDROLOGY					
Water Velocity:	0 m/s	Ice Problem:	N - No Problem		
Water Depth:	0 m	Scour Problem:	K - Known Problem		
Waterway:	02 - InAdequate	Debris Problem:	N - No Problem		
Comments:	Extreme scour under east abutment. Flow is not centered under bridge cause increased scour at east abutment.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:		Replacement Year:	2025		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:					
OBSERVATIONS					
Overall Condition:	P1 - Poor	Requires Further Inspection:	Yes		
Additional Observations:	Replacement required. Monitor extreme scour, soffit fascia deterioration and possible road undermining causing potholes.				